Why You Should Read This: The document below reviews the environmental impact likely from a project. This project is planned to be federally funded through your tax dollars; therefore, you are entitled to take part in its review. If you have concerns about the environmental impact of this project, raise them now. We encourage public input in this decision making process.

IOWA STATE REVOLVING FUND
FINDING OF NO SIGNIFICANT IMPACT

February 3, 2025

To: All Interested Citizens, Government Agencies, and Public Groups

An environmental review has been performed based on the procedures for implementing the National Environmental Policy Act (NEPA), for the proposed agency action below:

Applicant: City of Fort Madison (10th Street Sewer)
County: Lee
State: Iowa
SRF Number: CS1921017 01
Iowa DNR Project Number: S2021-0203A

The City of Fort Madison, Iowa is planning an upgrade to their wastewater collection system along 10th Street The city has applied for financial assistance through the State Revolving Fund (SRF) loan program to build the project. The State Revolving Loan Program is a program authorized by the Environmental Protection Agency (EPA) and administered by the Iowa Department of Natural Resources (DNR) in partnership with the Iowa Finance Authority.

The City of Fort Madison is located in Lee County, Iowa approximately 20 miles southwest of Burlington, Iowa and 25 north of Keokuk, Iowa. The population of Fort Madison according to the 2020 US Census was 10,270 persons. The City of Fort Madison is undergoing a large, phased project to eliminate combined sewer overflows from its wastewater collection system. The general service area for the 10th Street combined sewer system consists of urban downtown, urban residential, and recreational parks throughout the eastern portion of the City of Fort Madison. The existing combined sewer system collects both stormwater and sanitary sewer flows which are directed to the overflow structure east of the Riverview Drive lift station. During low flow conditions, the flow is conveyed to the lift station and is pumped to the wastewater treatment plant where it is treated. Under high flow conditions, the overflow structure allows flows exceeding the lift station capacity to discharge, untreated, to the Mississppi River.

The 10th Street combined sewer currently has 31 identified stormwater intake connections that are being collected by the sewer. Television data of the existing system has revealed that some sections of pipe have accumulated sediment, been deformed, or otherwise become malfunctional. The most severe deformations occur underneath the railways near the Santa Fe Depot. In order to reuse the existing pipe for either sewer or stormwater, corrections of these issues is necessary.

The purpose of this project is to make improvements to the wastewater collection system along 10th Street to improve reliability, increase capacity and to eliminate combined sewer overflow events to better safely and reliably operate the City of Fort Madison's wastewater system for at least the next 20 years. The proposed project consists of separating the combined sewer system on 10th street by constructing a new storm sewer system from the Mississippi River outlet through the commercial area up to Avenue F. The existing combined sewer will be reused from Avenue F to Avenue C with repairs to sections as needed. Intakes and structures will be replaced as necessary. A new sewer line will be installed on Old Denmark Hilltop Road to separate the sanitary and storm sewers north of Avenue C. The proposed project will also include construction of a sanitary sewer south of Avenue H to the existing interceptor sewer, replacement of street and alley surfacing, and installation of augured railroad crossings and adjacent structures.

Positive environmental effects will be the prevention of human exposure to untreated sewage during combined sewer overflow events and improved water quality in the receiving stream. The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population. The project will not conflict with local, regional or State land use plans or policies.

The project will not impact wetlands provided the terms of Nationwide Permit #7 are abided by. The project will not affect threatened and endangered species or their habitats provided that any tree cutting is conducted between October 1 and March 31 to avoid impacting endangered bats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes. The project will not affect the 100-year flood plain provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by. The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.

As of January 30, 2025, the City of Fort Madison, the Iowa Department of Natural Resources, and the Iowa State Historic Preservation Office executed a Memorandum of Agreement (MOA); the execution of this MOA and implementation of its terms is evidence that the IDNR has taken into account the effects of this undertaking on historic properties and afforded the Advisory Council on Historic Preservation an opportunity to comment. This FNSI is contingent upon compliance with the terms of the MOA. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).

The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)"c"). The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply. No significant adverse impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected to result from this project.

Minimum separation distances will be maintained. Noise during construction will be maintained at tolerable levels through controls on construction activities. Any construction debris will be removed from the site for proper disposal. Adverse environmental effects from construction activities will be minimized with proper

construction practices, inspection, prompt clean up and other appropriate measures. Areas temporarily disturbed by the construction will be restored.

It has been determined that the proposed action will result in no significant impacts to the surrounding environment. This determination is based on a careful review of the engineering report, the environmental assessment and other supporting data which are on file at the Department of Natural Resources' office in Des Moines, Iowa. These are available for public review upon request. A copy of the environmental assessment is attached. This Department will not take any administrative action on the project for at least thirty (30) calendar days from the above date. Persons disagreeing with the above environmental decision may submit comments to the department during this period. Your comments can be sent to SRF-PC@dnr.iowa.gov or directly to me at Jean.Mayne@dnr.iowa.gov or (515) 491-7565

Sincerely,

Jean Mayne

Digitally signed by Jean Mayne
Date: 2025.02.03 13:23:41
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Jean Mayne
Environmental Specialist
6200 Park Ave, Suite 200
Des Moines, IA 50321

Enclosures: Environmental Assessment
Project Map

Distribution List (email):
Veenstra & Kimm
SEIRPC
EPA Region 7
Edward Boling, Council on Environmental Quality
Jake Hansen, Iowa Department of Agriculture and Land Stewardship
Ken Sharp, Iowa Department of Health & Human Services
Mindy Wells, Iowa Department of Health & Human Services
Chad Sands, Iowa Economic Development Authority
Alicia Vasto, Iowa Environmental Council
Michael Schmidt, Iowa Environmental Council
Tracy Scebold, Iowa Finance Authority
Tony Toigo, Iowa Finance Authority
Lee Wagner, Iowa Finance Authority
Rick Andriano, Iowa Finance Authority
Mickey Shields, Iowa League of Cities
Jane Clark, Sierra Club
Josh Mandelbaum, Environmental Law and Policy Center
Kate Sand, USDA Rural Development
Tokey Boswell, USDOI, National Park Service, Midwest Region
Kraig McPeek, Fish and Wildlife Service, Rock Island Field Office
Ann D'Alfonso, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
The Daily Democrat Newspaper

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IOWA State Revolving Fund

IOWA STATE REVOLVING FUND
ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Fort Madison (10th Street Sewer)
County: Lee
State: Iowa

SRF Number: CS1921017 01
Iowa DNR Project Number: S2021-0203A

COMMUNITY DESCRIPTION

Location: The City of Fort Madison is located in Lee County, Iowa approximately 20 miles southwest of Burlington, Iowa and 25 north of Keokuk, Iowa.

Population: The population of Fort Madison according to the 2020 US Census was 10,270 persons.

Project Background: The City of Fort Madison is undergoing a large, phased project to eliminate combined sewer overflows from its wastewater collection system. The general service area for the 10th Street combined sewer system consists of urban downtown, urban residential, and recreational parks throughout the eastern portion of the City of Fort Madison. The existing combined sewer system collects both stormwater and sanitary sewer flows which are directed to the overflow structure east of the Riverview Drive lift station. During low flow conditions, the flow is conveyed to the lift station and is pumped to the wastewater treatment plant where it is treated. Under high flow conditions, the overflow structure allows flows exceeding the lift station capacity to discharge, untreated, to the Mississppi River.

The 10th Street combined sewer currently has 31 identified stormwater intake connections that are being collected by the sewer. Television data of the existing system has revealed that some sections of pipe have accumulated sediment, been deformed, or otherwise become malfunctional. The most severe deformations occur underneath the railways near the Santa Fe Depot. In order to reuse the existing pipe for either sewer or stormwater, corrections of these issues is necessary.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the wastewater collection system along 10th Street to improve reliability, increase capacity and to eliminate combined sewer overflow events to better safely and reliably operate the City of Fort Madison's wastewater system for at least the next 20 years.

Proposed Improvements: The proposed project consists of separating the combined sewer system on 10th street by constructing a new storm sewer system from the Mississippi River outlet through the commercial area up to Avenue F. The existing combined sewer will be reused from Avenue F to Avenue C with repairs to sections as needed. Intakes and structures will be replaced as necessary. A new sewer line will be installed on Old Denmark Hilltop Road to separate the sanitary and storm sewers north of Avenue C. The proposed project will also include construction of a sanitary sewer south of Avenue H to the existing interceptor sewer, replacement of street and alley surfacing, and installation of augured railroad crossings and adjacent structures.

ALTERNATIVES CONSIDERED

Alternatives Considered: Two alternatives were considered. The City could either construct a new sanitary sewer and convert the existing combined sewer to a dedicated storm sewer pipe with sizing improvements or they could construct a new storm sewer main and convert the existing combined sewer to a dedicated sanitary sewer.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable due to the existing public health consequence of combined sewer overflow events. The cost of construction of a new storm sewer system or construction of a new sewer system were nearly the same. Existing piping sizing and pipe conditions were considered to determine the best combination of re-use of the existing system and best options for the separation process. The project location and design were selected for the engineering criteria, proximity to existing utilities, and impacts to local businesses, as well as minimization of the impacts to the environment.

MEASURES TAKEN TO ASSESS IMPACT

Public Involvement: A public hearing was held on July 16, 2024 at 5:30PM at the City's regular council meeting. The public notice of this hearing was published in the Daily Democrat newspaper on Jun 123, 2024 and was posted to the City of Fort Madison website as of June 13, 2024. The purpose of this hearing was to present the environmental and financial impacts of the proposed improvement project. No written or oral comments were received.

Coordination and Documentation with Other Agencies and Special Interest Groups: The following Federal, state and local agencies were asked to comment on the proposed project to better assess the potential impact to the environment:

U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service
State Historical Society of Iowa (State Historical Preservation Office)
Iowa DNR Conservation and Recreation Division
Iowa DNR Flood Plain Management Section
Citizen Band Potawatomi Indian Tribe
Flandreau Santee Sioux
Ho-Chunk Nation
Iowa Tribe of Kansas and Nebraska
Iowa Tribe of Oklahoma
Kickapoo Tribe in Kansas
Kickapoo Tribe of Oklahoma

Lower Sioux Indian Community Council
Miami Tribe of Oklahoma
Omaha Tribal Council
Osage Tribal Council
Otoe-Missouria Tribe
Pawnee Nation of Oklahoma
Peoria Tribe of Indians of Oklahoma
Ponca Tribe of Indians of Oklahoma
Ponca Tribe of Nebraska
Prairie Band Potawatomi Nation
Prairie Island Indian Community
Sac & Fox Nation of Mississippi in Iowa
Sac & Fox Nation of Missouri
Sac & Fox Nation of Oklahoma
Santee Sioux Nation
Shakopee Mdewakanton Sioux Community
Sisseton-Wahpeton Oyate
Spirit Lake Tribal Council
Three Affiliated Tribes Mandan, Hidatsa & Arikara Nations
Upper Sioux Tribe
Winnebago Tribal Council
Yankton Sioux Tribal Business and Claims Committee
Fort Madison Historic Commission

No adverse comments were received from any agencies or general public. Conditions placed on the applicant by the above agencies in order to assure no significant impact are included in the Summary of Reasons for Concluding No Significant Impact section.

ENVIRONMENTAL IMPACT SUMMARY

Construction: Traffic patterns within the community may be disrupted and above normal noise levels in the vicinity of the construction equipment can be anticipated during construction and should be a temporary problem. Adverse environmental impacts on noise quality will be handled by limited hours of contractor work time during the day. Other adverse environmental effects from construction activities will be minimized by proper construction practices, inspection, prompt cleanup, and other appropriate measures. Areas temporarily disturbed by the construction will be restored. Solid wastes resulting from the construction project will be regularly cleared away with substantial efforts made to minimize inconvenience to area residents.

Care will be taken to maintain dirt to avoid erosion and runoff. Temporary air quality degradation may occur due to dust and fumes from construction equipment. The applicant shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 Iowa Administrative Code IAC 23.3(2)“c”).

Properties that contain regulated materials are located within or very near the proposed project area. If construction activities find an unknown area of contamination, it is the responsibility of the applicant to follow

the procedure for notification of hazardous conditions (567 IAC 131.2). Excavated soil that contains a hazardous substance must be assessed and properly disposed of (567 IAC 100.4).

Historical/Archaeological: The State Historic Preservation Office (SHPO), the Certified Local Government and various Native American tribes with an interest in the area were provided information regarding the project. As of January 30, 2025, the City of Fort Madison, the Iowa Department of Natural Resources, and the Iowa State Historic Preservation Office executed a Memorandum of Agreement (MOA); the execution of this MOA and implementation of its terms is evidence that the IDNR has taken into account the effects of this undertaking on historic properties and afforded the Advisory Council on Historic Preservation an opportunity to comment.

However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).

Environmental: A Joint Application was submitted by the City's consultant to the Iowa DNR Conservation and Recreation Division and U.S. Army Corps of Engineers. The DNR Flood Plain Management Section will determine if the proposed project requires a permit for impacts to the 100-year floodplain. The DNR Conservation and Recreation Division will determine if the project will impact any State-owned lands or State-listed threatened or endangered species. The U.S. Army Corps of Engineers will determine if the proposed project will impact wetlands or jurisdictional waters of the United States.

According to the Iowa DNR Conservation and Recreation Division, the proposed project will not interfere with any State-owned parks, recreational areas or open spaces. The U.S. Army Corps of Engineers concurs that the project will not impact wetlands provided the terms of Nationwide Permit #7 are abided by. The project will not impact any wild and scenic rivers as none exist within the State of Iowa. The U.S. Fish & Wildlife Service Section 7 Technical Assistance website consultation determined, and Iowa DNR Conservation and Recreation Division agree, that the project will not impact protected species or their habitats provided that any tree cutting is conducted between October 1 and March 31 to avoid impacting endangered bats. However, if any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. According to the Iowa DNR Flood Plain Management Section, this project will not impact the 100-year floodplain provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity. No significant adverse impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected.

Land Use and Trends: The project will not displace population nor will it alter the character of existing residential areas. No significant farmlands will be impacted. This project should not impact population trends as the presence or absence of existing water/sewer infrastructure is unlikely to induce significant alterations in the population growth or distribution given the myriad of factors that influence development in this region. Similarly, this project is unlikely to induce significant alterations in the pattern and type of land use.

Irreversible and Irretrievable Commitment of Resources: Fuels, materials, and various forms of energy will be utilized during construction

Nondiscrimination: All programs, projects, and activities undertaken by DNR in the SRF programs are subject to federal anti-discrimination laws, including the Civil Rights Act of 1964, section 504 of the Rehabilitation Act of 1973, and section 13 of the Federal Water Pollution Control Amendments of 1972. These laws prohibit discrimination on the basis of race, color, national origin, sex, disability, or age.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be the prevention of human exposure to untreated sewage during combined sewer overflow events and improved water quality in the receiving stream.

SUMMARY OF REASONS FOR CONCLUDING NO SIGNIFICANT IMPACT

- The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population.
- The project will not conflict with local, regional or State land use plans or policies.
- The project will not impact wetlands provided the terms of Nationwide Permit #7 are abided by.
- The project will not affect threatened and endangered species or their habitats provided that any tree cutting is conducted between October 1 and March 31 to avoid impacting endangered bats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required.
- The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes.
- The project will not affect the 100-year flood plain provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by
- The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.
- As of January 30, 2025, the City of Fort Madison, the Iowa Department of Natural Resources, and the Iowa State Historic Preservation Office executed a Memorandum of Agreement (MOA); the execution of this MOA and implementation of its terms is evidence that the IDNR has taken into account the effects of this undertaking on historic properties and afforded the Advisory Council on Historic Preservation an opportunity to comment. This FNSI is contingent upon compliance with the terms of the MOA. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).
- The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)"c").
- The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply.
- No significant adverse impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected to result from this project.

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 92.8(1)"b" relating to compliance with the National Environmental Policy Act of 1969. No adverse effect or significant environmental impact is foreseen at this time.

Jean Mayne

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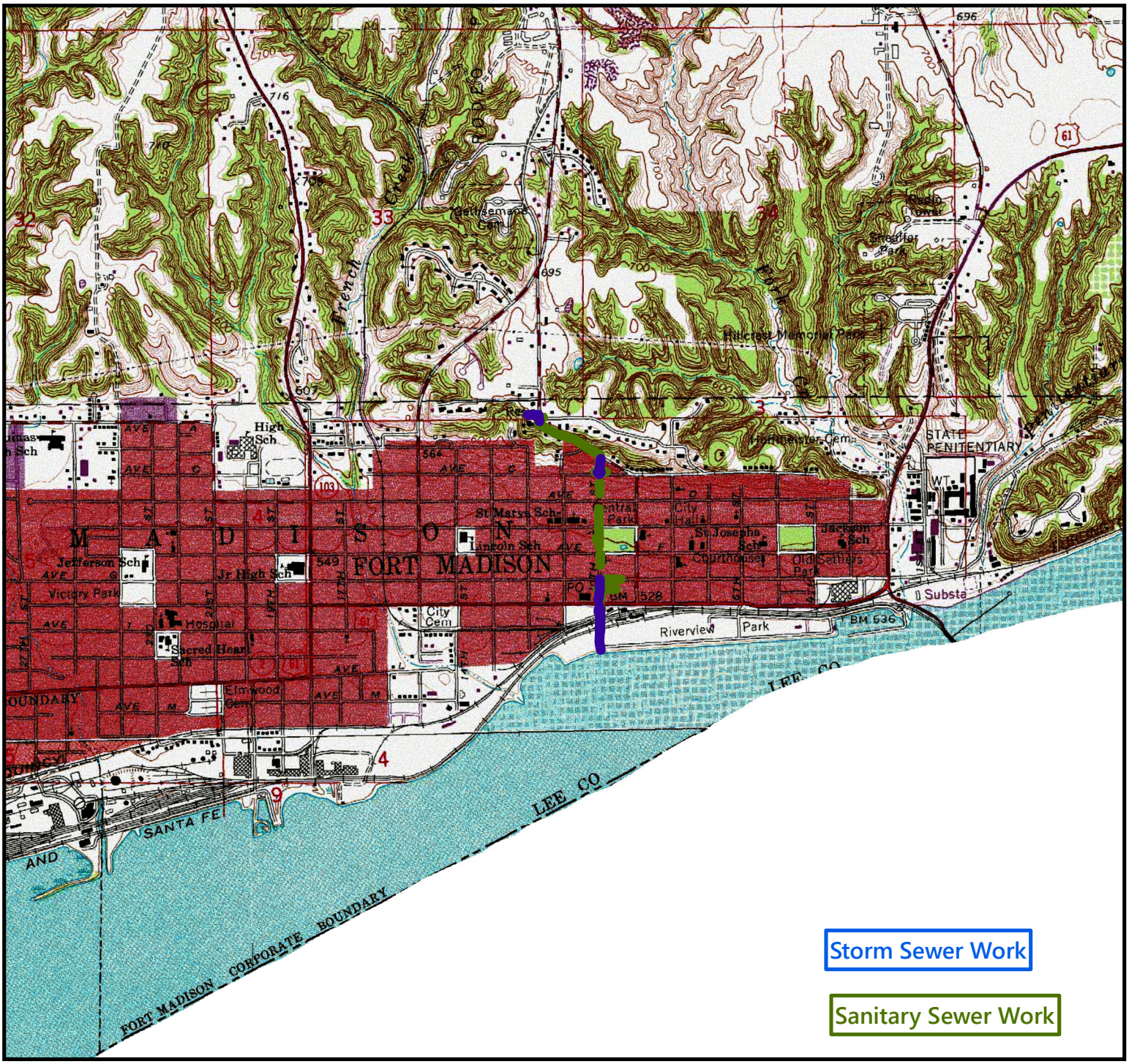
Jean Mayne
Environmental Review Specialist
State Revolving Fund
Iowa Department of Natural Resources

STATE REVOLVING FUND
IOWA

USGS 7.5' Quad: Fort Madison
S03 & 04 T 67N R 04W
Date: 1964



Topographic Map

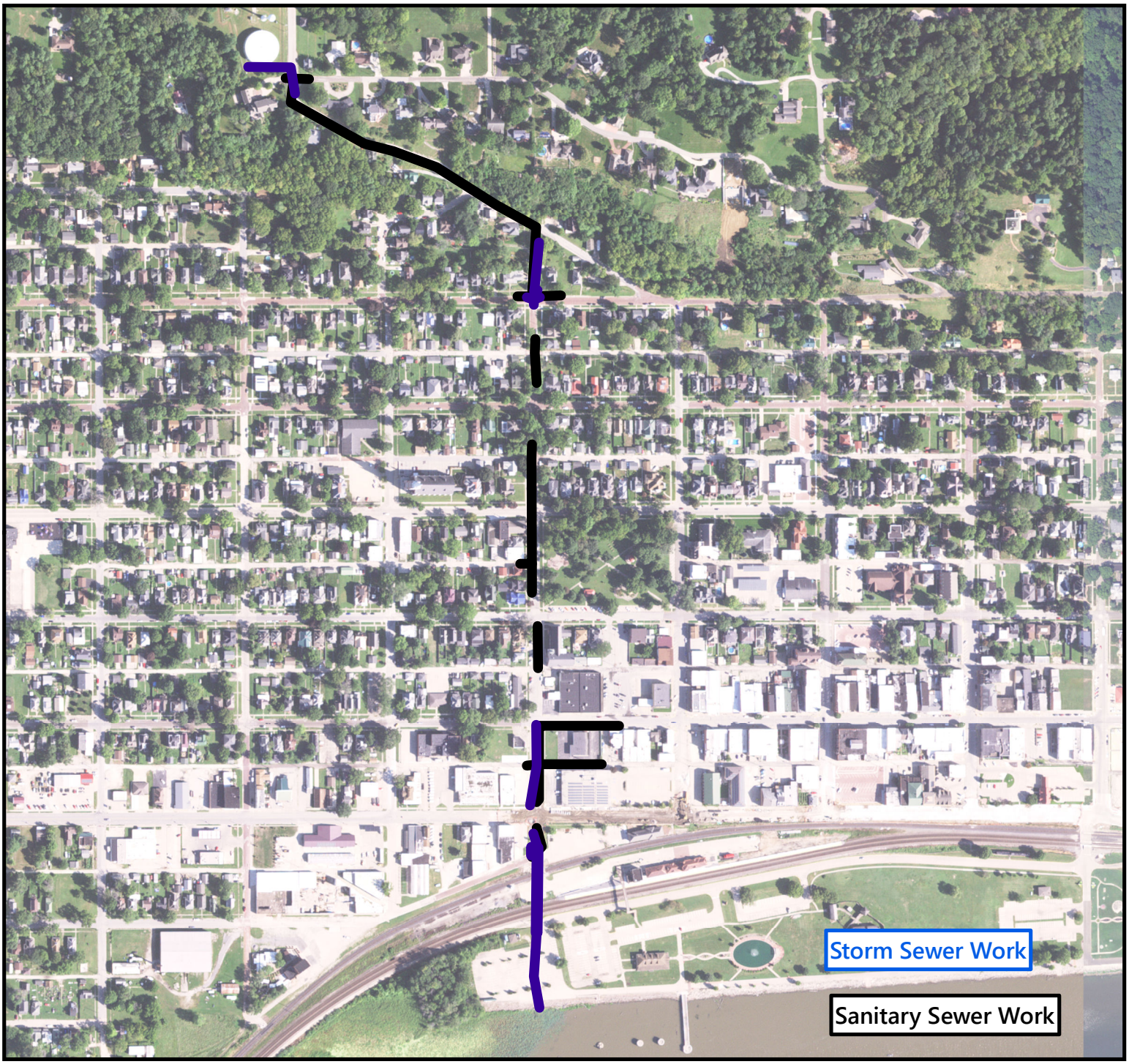
Scale: 1 inch = 2,000 feet

0 1,000 2,000 3,000 4,000 Feet

Fort Madison 10th Street Sewer Separation
Fort Madison, Iowa (Lee County)

STATE REVOLVING FUND IOWA

2021



Aerial Photograph

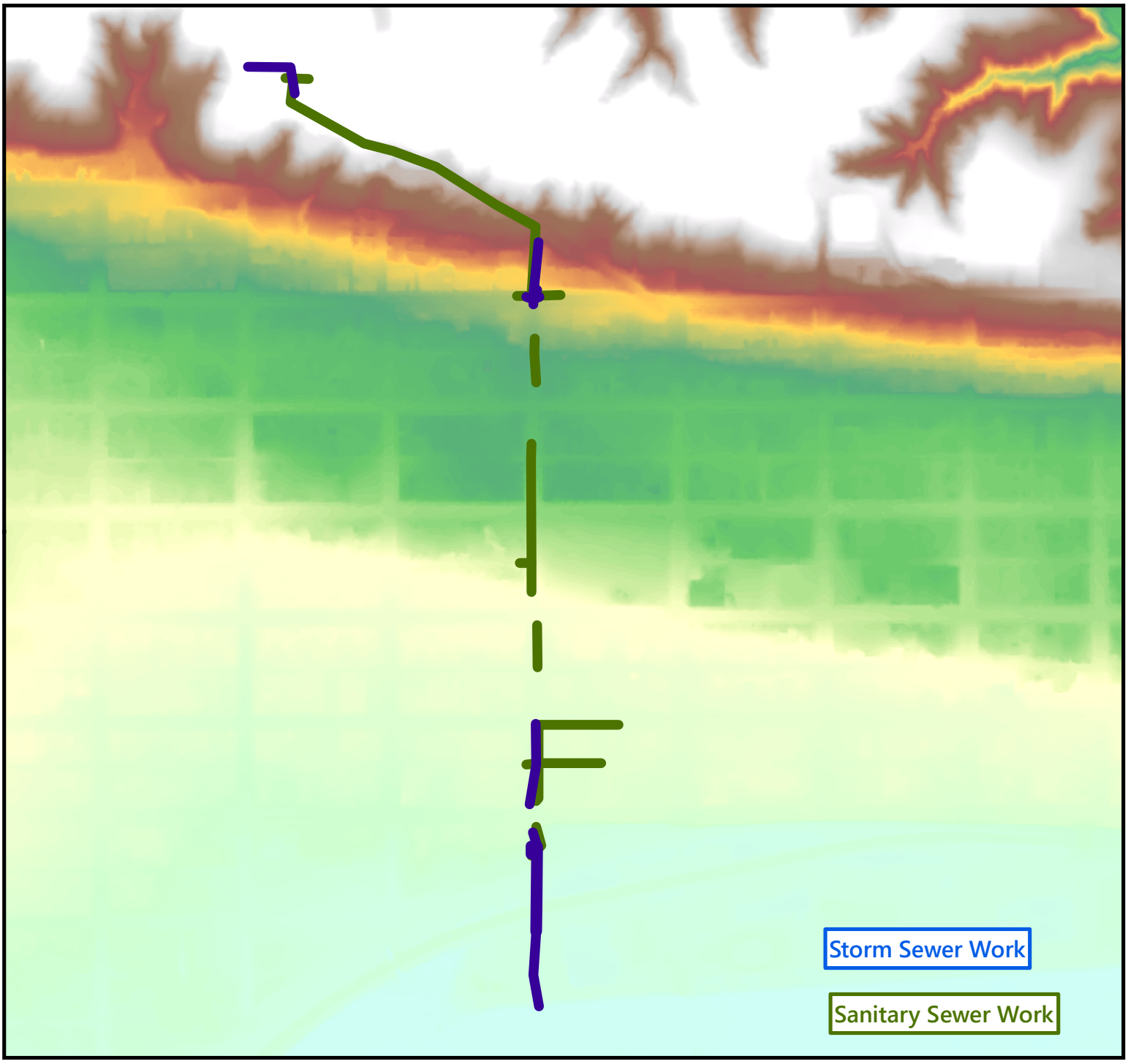
Fort Madison 10th Street Sewer Separation
Fort Madison, Iowa (Lee County)

Scale: 1 inch = 500 feet

0 260 520 780 1,040 Feet

STATE REVOLVING FUND IOWA

2010



LiDAR

Scale: 1 inch = 500 feet

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Fort Madison 10th Street Sewer Separation
Fort Madison, Iowa (Lee County)

STATE REVOLVING FUND IOWA

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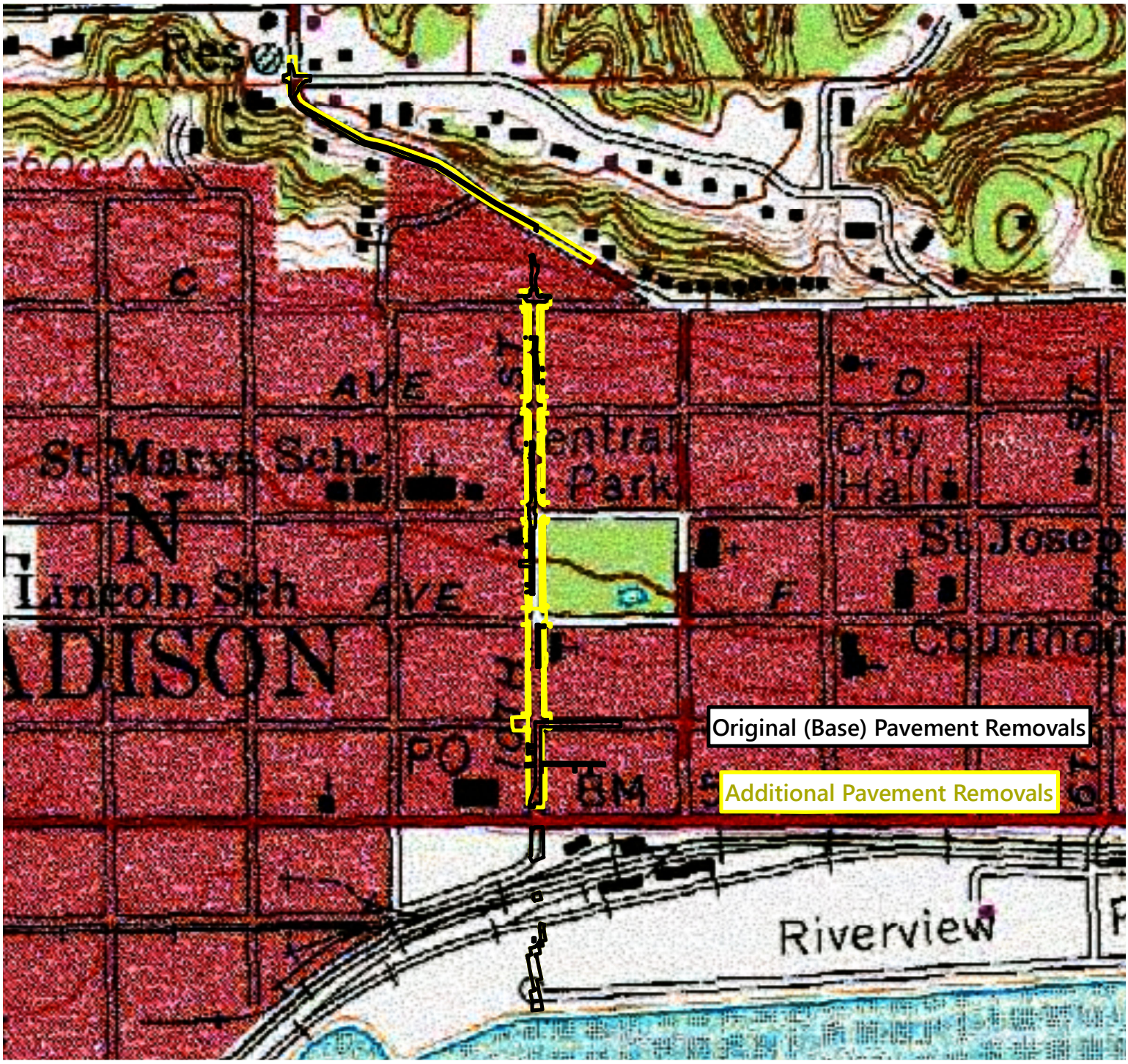

Topographic Map

Fort Madison 10th Street Sewer Separation
Fort Madison, Iowa (Lee County)

Scale: 1 inch = 500 feet

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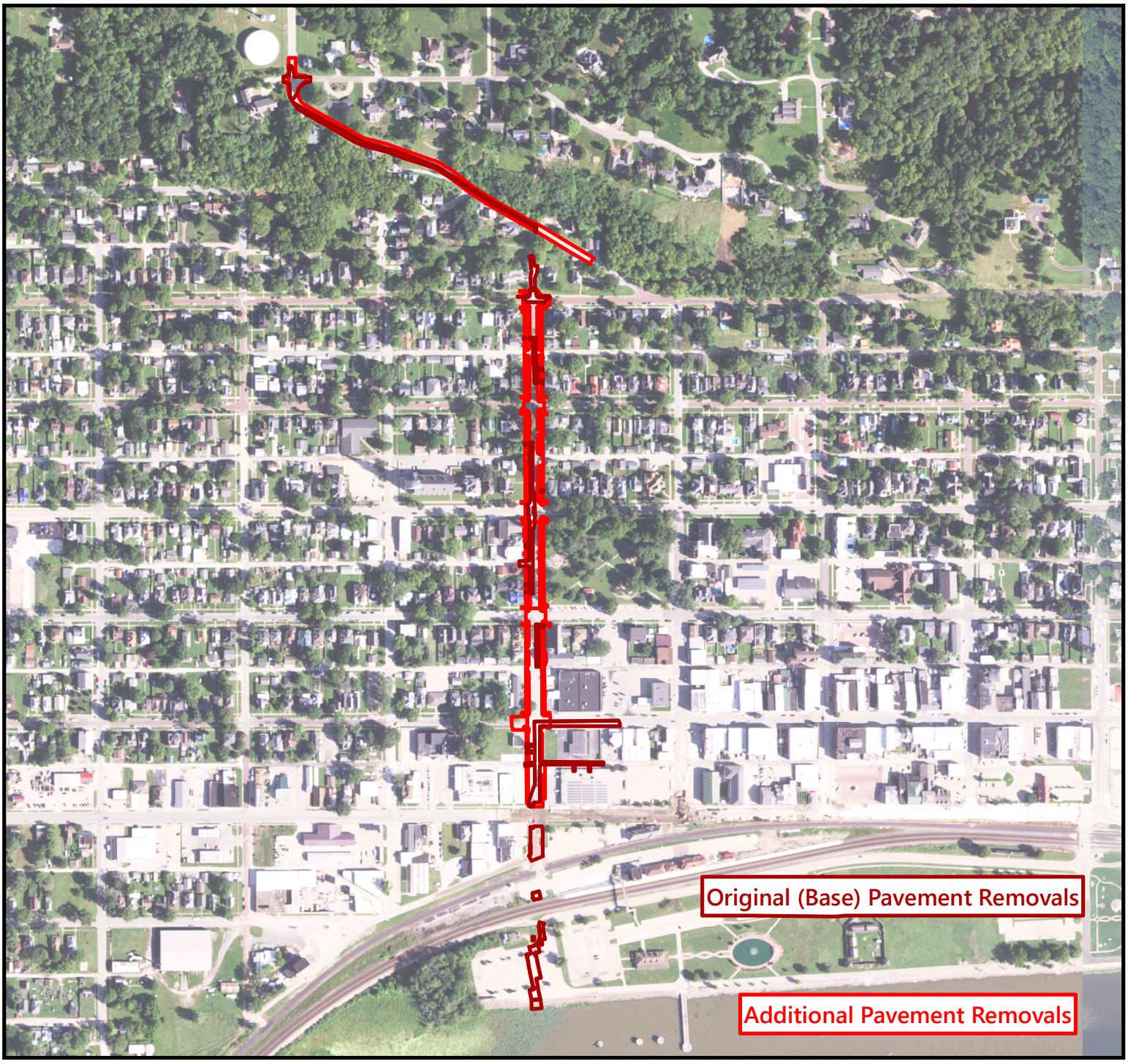
STATE REVOLVING FUND IOWA

2021



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Fort Madison, Iowa (Lee County)

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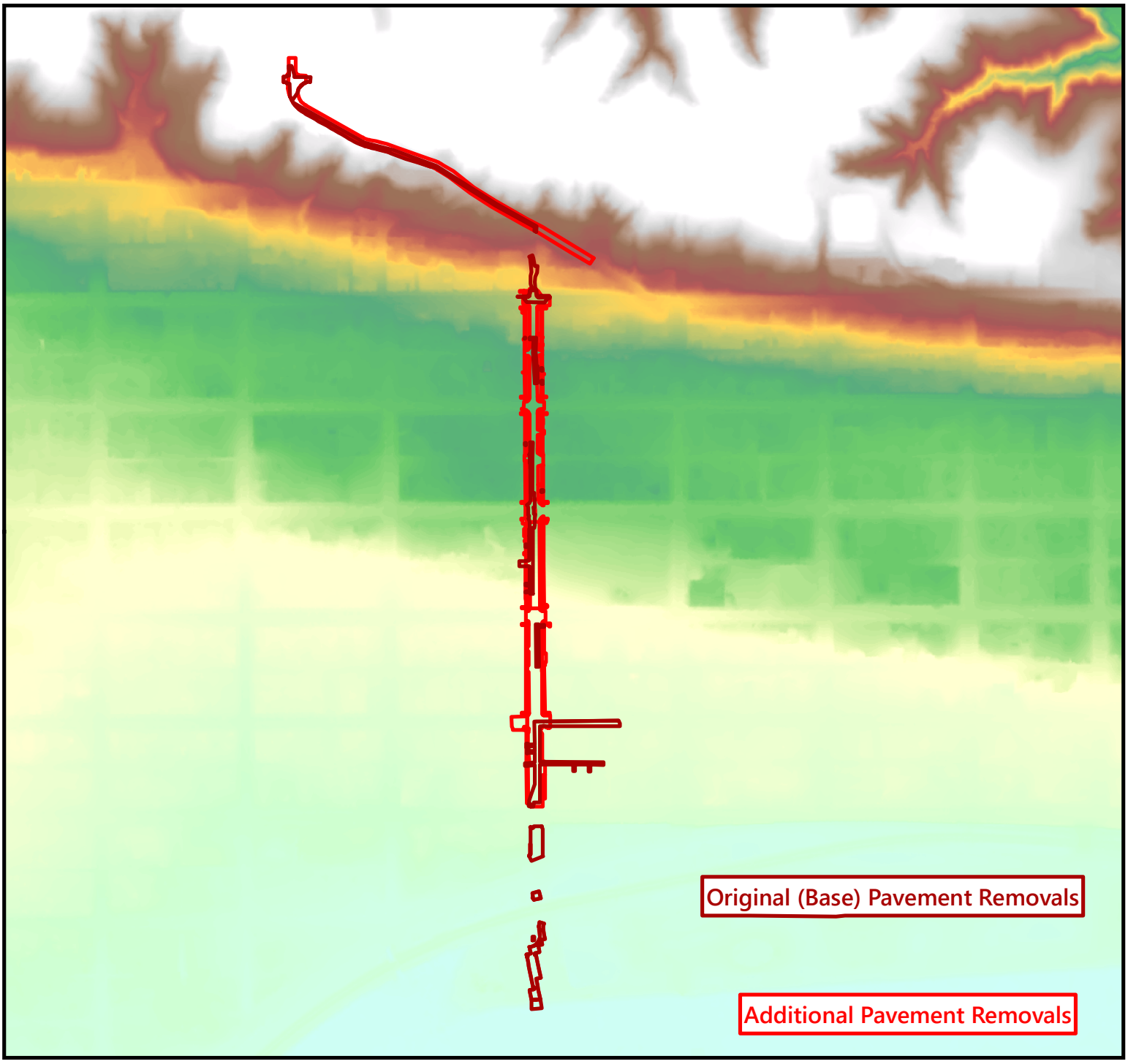
STATE REVOLVING FUND IOWA

2010



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Fort Madison 10th Street Sewer Separation
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